

Title (en)

MOULD DEVICE FOR A ROTATIONAL MOULDING DEVICE

Title (de)

FORMVORRICHTUNG FÜR EINE ROTATIONSFORMVORRICHTUNG

Title (fr)

DISPOSITIF DE MOULE POUR UN DISPOSITIF DE MOULAGE PAR ROTATION

Publication

EP 3526001 A1 20190821 (EN)

Application

EP 17793846 A 20171012

Priority

- EP 2016074447 W 20161012
- EP 2017076090 W 20171012

Abstract (en)

[origin: WO2018069459A1] The invention provides a mould device (1) for use in a rotational moulding device (33) wherein a rotational moulding process is performed by rotating the mould device (1) by means of a robot arm (34). The mould device (1) comprises a connector part (27) for connecting to the robot arm, mould parts (2, 3, 4) provided for being assembled to each other and for enclosing a mould cavity (5) in an assembled state, attachment means (17, 26) for attaching the mould parts (2, 3, 4) in a releasable manner to each other, and heating means and cooling means integrated on at least one of the mould parts (2, 3, 4) for respectively heating and cooling the respective mould part (2, 3, 4). The heating means comprise heating elements (12) arranged in first grooves (8) provided in or on the exterior face (7) of the respective mould part (2, 3, 4). The cooling means comprise cooling elements (14) arranged in second grooves (9) provided in or on the exterior face (7) of the respective mould part (2, 3, 4) in between the first grooves (8).

IPC 8 full level

B29C 41/04 (2006.01); **B29C 33/00** (2006.01); **B29C 33/02** (2006.01); **B29C 41/06** (2006.01); **B29C 41/46** (2006.01)

CPC (source: EP US)

B29C 33/0011 (2013.01 - EP US); **B29C 33/02** (2013.01 - EP US); **B29C 41/04** (2013.01 - EP US); **B29C 41/06** (2013.01 - EP US); **B29C 41/46** (2013.01 - EP US)

Citation (search report)

See references of WO 2018069459A1

Cited by

IT202100029543A1; CN115026983A; WO2023031982A1; WO2023031981A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2018069459 A1 20180419; CN 109922937 A 20190621; CN 109922937 B 20210622; EP 3526001 A1 20190821; EP 3526001 B1 20201209; US 10814530 B2 20201027; US 2019240879 A1 20190808

DOCDB simple family (application)

EP 2017076090 W 20171012; CN 201780066056 A 20171012; EP 17793846 A 20171012; US 201716340358 A 20171012